

10/517,603

cyclopentadiene resins, and terpene resins (these resins are described in Ullmanns Enzyklopaedie der Techn. Chemie (Ullmann's Encyclopedia of Industrial Chemistry), 4th edition, volume 12, pages 525 to 555.

- DETD Preferred hydrocarbon **resins** employed include sytrene homopolymers, **styrene** copolymers, **cyclopentadiene** homopolymers, **cyclopentadiene** copolymers and/or terpene polymers having, in each case, a softening point of 130° to 180° C., preferably of 140° to 160° C. In the case of the unsaturated polymers, the hydrogenated product is particularly preferred.
- DETD It is advantageous to use as the low molecular weight resin, a resin having a **high softening temperature**, preferably of more than about 140° C. Thus, stretching in the transverse direction can be performed at a higher temperature, which reduces the shrink of the film. Low shrink values are desirable, since otherwise, the film may lose its flatness when it is dried at elevated temperatures following printing. Moreover, the twisting properties are impaired as a result of film shrinkage. When a resin having the indicated **high softening temperature** is used, stretching can be performed at a preferred temperature of about 140° to about 150° C. However, if a resin having a lower softening temperature of, e.g., 120° C., is stretched at these high temperatures, it will lose its clarity and transparency.
- CLM What is claimed is:
12. A process as claimed in claim 1, wherein the resin is selected from the group consisting of petroleum **resins**, **styrene** resins, **cyclopentadiene** resins, and terpene resins.

=> d his ful

(FILE 'HOME' ENTERED AT 12:51:48 ON 06 MAR 2006)

SET PLURALS ON PERM

SET ABBR ON PERM

- L1 FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 12:52:30 ON 06 MAR 2006
339 SEA ABB=ON PLU=ON (COPOLYMER OR RESIN OR HYDROGENAT?) (4W) ((CY CLOPENTADIENE OR DICYCLOPENTADIENE) (3A) (VINYL(1A) AROMATIC OR STYREN?))
- L2 23 SEA ABB=ON PLU=ON L1 AND (HIGH OR INCREAS? OR ELEVAT?) (1W) (SO FTENING(1W) (TEMPERATURE OR POINT))
D L2 1-23 IBIB ABS
D L2 6 HIT

FILE HOME

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 2 Mar 2006 (20060302/PD)

FILE LAST UPDATED: 2 Mar 2006 (20060302/ED)

HIGHEST GRANTED PATENT NUMBER: US7007305

HIGHEST APPLICATION PUBLICATION NUMBER: US2006048257

CA INDEXING IS CURRENT THROUGH 28 Feb 2006 (20060228/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 2 Mar 2006 (20060302/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2005

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2005

FILE USPAT2

FILE COVERS 2001 TO PUBLICATION DATE: 2 Mar 2006 (20060302/PD)

FILE LAST UPDATED: 2 Mar 2006 (20060302/ED)

HIGHEST GRANTED PATENT NUMBER: US2005259921

HIGHEST APPLICATION PUBLICATION NUMBER: US2006047476
CA INDEXING IS CURRENT THROUGH 28 Feb 2006 (20060228/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 2 Mar 2006 (20060302/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2005

FILE CAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 6 Mar 2006 VOL 144 ISS 11
FILE LAST UPDATED: 5 Mar 2006 (20060305/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

FILE JAPIO
FILE COVERS APR 1973 TO OCTOBER 27, 2005

>>> GRAPHIC IMAGES AVAILABLE <<<

>>> NEW IPC8 DATA AND FUNCTIONALITY NOT YET AVAILABLE IN THIS FILE.
USE IPC7 FORMAT FOR SEARCHING THE IPC. WATCH THIS SPACE FOR FURTHER
DEVELOPMENTS AND SEE OUR NEWS SECTION FOR FURTHER INFORMATION
ABOUT THE IPC REFORM <<<

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	100.51	100.72
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.75	-0.75

STN INTERNATIONAL LOGOFF AT 13:04:37 ON 06 MAR 2006